

LISTING OF CLAIMS:

Claims 1-9 (Canceled)

10. (new) A power tool comprising:
a housing,
an output shaft driven by a rotation motor; and
an angle drive mechanism coupling the motor to the output shaft, said angle drive mechanism including:
a drive spindle coupled to the motor and carrying a pinion;
a bevel gear mounted on the output shaft;
wherein said drive spindle is axially supported relative to the housing by a ball bearing having an inner ring and an outer ring; and
an adjusting device which sets an axial position of said drive spindle and said pinion relative to the bevel gear;
wherein said outer ring is axially secured relative to the housing; and
wherein said adjusting device comprises:
a threaded portion on said drive spindle;
an internal thread formed integrally with said inner ring and arranged to cooperate with said threaded portion on said drive spindle; and

a coupling device arranged to rotationally lock said inner ring relative to said drive spindle as a desired axial position of said drive spindle is obtained.

11. (new) A power tool according to claim 10, wherein said coupling device comprises:

a number of axially directed coupling teeth on said inner ring; and

an annular coupling element provided with axially directed engagement teeth for cooperation with said coupling teeth;

said coupling element having radially inwardly directed teeth for cooperation with splines on said drive spindle.

12. (new) A power tool according to claim 11, further comprising a lock ring received in a circumferential groove in said drive spindle, said lock ring being arranged to axially lock said coupling element in position.

13. (new) A power tool according to claim 10, further comprising a lock ring received in a circumferential groove in said drive spindle, said lock ring being arranged to axially lock said coupling device in position.

14. (new) A power tool according to claim 10, wherein said ball bearing comprises an angular contact ball bearing.

15. (new) A power tool according to claim 10, wherein said pinion is formed integrally as a one-piece member with said drive spindle.

16. (new) A power tool according to claim 11, wherein said pinion is formed integrally as a one-piece member with said drive spindle.

17. (new) A power tool according to claim 12, wherein said pinion is formed integrally as a one-piece member with said drive spindle.

18. (new) A power tool according to claim 13, wherein said pinion is formed integrally as a one-piece member with said drive spindle.

19. (new) A power tool according to claim 14, wherein said pinion is formed integrally as a one-piece member with said drive spindle.

20. (new) A power tool comprising:
a housing;
an output shaft) driven by a rotation motor; and
an angle drive mechanism coupling the motor to the output shaft, said angle drive mechanism including:

a drive spindle coupled to the motor and carrying a pinion;

a bevel gear mounted on the output shaft;

wherein said drive spindle is axially supported relative to the housing by a thrust bearing having an inner ring and an outer ring; and

an adjusting device which sets an axial position of said drive spindle and said pinion relative to the bevel gear;

wherein said inner ring is rigidly secured to said drive spindle; and

wherein said adjusting device comprises:

a threaded portion in the housing;

an outer thread formed on and integrally with said outer ring, said outer thread being arranged to cooperate with said threaded portion in the housing; and

a coupling device arranged to rotationally lock said outer ring relative to the housing as a desired axial position of said drive spindle is obtained.

21. (new) A power tool according to claim 20, wherein said thrust bearing comprises a deep groove ball bearing with a full number of uncaged balls, and said inner ring is divided into two halves.

22. (new) A power tool according to claim 20, wherein said coupling device comprises:

at least two external axially directed grooves on said outer ring;

an annular lock element having at least two radial teeth for cooperation with said grooves; and

at least two axially directed teeth on the housing which said annular element is arranged to engage by deformation.

23. (new) A power tool according to claim 21, wherein said coupling device comprises:

at least two external axially directed grooves on said outer ring;

an annular lock element having at least two radial teeth for cooperation with said grooves; and

at least two axially directed teeth on the housing which said annular element is arranged to engage by deformation.

24. (new) A power tool according to claim 20, wherein said pinion is formed integrally as a one piece member with said drive spindle.

25. (new) A power tool according to claim 21, wherein said pinion is formed integrally as a one piece member with said drive spindle.

26. (new) A power tool according to claim 22, wherein said pinion is formed integrally as a one piece member with said drive spindle.

27. (new) A power tool according to claim 23, wherein said pinion is formed integrally as a one piece member with said drive spindle.